

WHAT IS CLAIMED IS:

1. An overload prevention device of a snow-remover for, in the transmission of power from an engine through an auger transmission to an auger shaft and an
5 auger, preventing an excessive load from acting on the power train from the engine to the auger, the overload prevention device comprising:

a worm wheel for meshing with a worm provided on an input shaft of the auger transmission;

- a cylindrical member, which is fitted in the worm wheel and
10 consequently rotates integrally therewith over a predetermined torque range and rotates relative thereto when a predetermined torque is exceeded, and which is attached integrally to the auger shaft;

- a disc, which is limited in angle of turn with respect to the cylindrical member and is adjacent to the worm wheel and has a plurality of disc
15 protuberances facing a plurality of wheel protrusions provided on a respective side face of the worm wheel;

a detector, which detects movement of the disc away from a side face of the worm wheel when due to turning of the cylindrical member relative to the worm wheel the disc protuberances mount the wheel protrusions; and

- 20 a control unit, which stops the engine when the number of times a detection signal has been generated by this detector reaches a predetermined number of times within a predetermined period.

2. An overload prevention device according to claim 1, wherein each of the
25 wheel protrusions has a flat part at a top thereof.